

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : Confirmation No. :
First Named Inventor : Christian BARBA
Filed : March 11, 2005
TC/A.U. :
Examiner :

Docket No. : 095309.55994US
Customer No. : 23911

Title : Method for Determining a Change in Volumetric
Efficiency for an Internal Combustion Engine

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R §§ 1.97 AND 1.98**

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 11, 2005

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

STATEMENT OF RELEVANCE

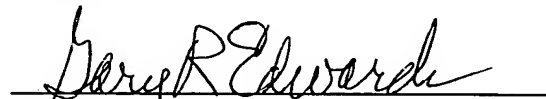
The relevance of the reference (DE 199 34 508 A1 listed as AH on the attached PTO-1449) to the subject matter of the present invention is given in the Background and Summary of the Invention in the specification of the present invention.

English abstracts summarizing the disclosures of the publications listed on the attached PTO-1449 as AI, AJ, AK and AL are also submitted herewith. Applicants also submit a copy of the corresponding International Search Report and a translation of the relevant portions thereof.

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/527439
		Filing Date	March 11, 2005
		First Named Inventor	Christian BARBA
		Art Unit	
Examiner Name			
Sheet 1 of 1	Attorney Docket Number	095309.55994US	

U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	AA	US- 6,170,469	B1	01/09/2001	Itoyama et al	
	AB	US- 6,009,862		01/04/2000	Wanat et al	
	AC	US- 4,565,166		01/21/1986	Takeda	
	AD	US- 5,520,153		05/28/1996	Milunas	
	AE	US- 5,590,632		01/07/1997	Kato et al	
	AF	US- 6,334,425	B1	01/01/2002	Nagatani et al	
	AG	US- 5,065,717		11/19/1991	Hosokai et al	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ --Number ⁴ --Kind Code ⁵ (if known)				
	AH	DE 199 34 508 A1	07/22/1999	Ford Global Technologies		AB
	AI	JP 2000-220532	08/08/2000	Fuji Heavy Ind Ltd		AB
	AJ	DE 195 08 505 C2	03/09/1995	Toyota Jidosha K.K.		AB
	AK	DE 100 20 341 A1	04/26/2000	Honda Giken Kogyo K.K.		AB
	AL	DE 40 41 875 A1	12/27/1990	Mazda Motor Corp.		AB

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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